

The file 'InputImages.pdf' contains an assortment of images: a) mammograms (courtesy: Emory university, GA, USA), b) images from the Berkeley segmentation dataset, c) images from NASA (courtesy: [apod.nasa.gov](http://apod.nasa.gov)), d) images from the University of Southern California (courtesy: <http://sipi.usc.edu/database/>), and e) images captured by the authors.

The file 'ProposedSingularityIndex.pdf' illustrates the results of the proposed singularity index applied to the input images. Please refer to the 'Experiments and Results' section in the manuscript for how these results were generated. The odd-numbered pages illustrate the index results, while the even-numbered pages illustrate the NMS results.

The file 'SecondDerivativeIndex.pdf' illustrates the results of the second derivative index applied to the input images. Please refer to the 'Experiments and Results' section in the manuscript for how these results were generated. The odd-numbered pages illustrate the second-derivative index results, while the even-numbered pages illustrate the NMS results.

The file 'Lindeberg6Scales.pdf' illustrates the results of Lindeberg's ridge strength measure applied to the input images using the same 6 scales used for the proposed singularity index. Please refer to the 'Experiments and Results' section in the manuscript for how these results were generated.

The file 'Lindeberg50Scales.pdf' illustrates the results of Lindeberg's ridge strength measure applied to the input images using an exhaustive 50 scales. Please refer to the 'Experiments and Results' section in the manuscript for how these results were generated.